

Comparisons of Job Characteristics

Focus Occupation: [Computer Specialists, All Other \(15-1099\)](#)

Associated Occupation: [Computer, Automated Teller, and Office Machine Repairers \(49-2011\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 81

Focus Occupation: Computer Specialists, All Other (15-1099)

Associated Occupation: Computer, Automated Teller, and Office Machine Repairers (49-2011)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Computers and Electronics	8.4	21.9	19.7	<	Expanded education and/or training may be required
Customer and Personal Service	11.3	19.8	11.3	<<	Extensive education and/or training may be required
Mechanical	6.8	13.0	2.5	<<	Extensive education and/or training may be required
Telecommunications	3.9	12.1	9.0	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 13

Focus Occupation: Computer Specialists, All Other (15-1099)

Associated Occupation: Computer, Automated Teller, and Office Machine Repairers (49-2011)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Repairing	3.4	10.0	2.2	<<	Extensive development of skills in this area may be required
Troubleshooting	4.5	9.3	6.1	<<	Extensive development of skills in this area may be required
Equipment Maintenance	3.5	9.0	2.4	<<	Extensive development of skills in this area may be required
Equipment Selection	3.3	8.0	4.6	<<	Extensive development of skills in this area may be required
Installation	1.7	6.0	3.0	<<	Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 84			
Focus Occupation: Computer Specialists, All Other (15-1099) Associated Occupation: Computer, Automated Teller, and Office Machine Repairers (49-2011)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Finger Dexterity	7.6	10.7	8.0	<<	Extensive improvement in abilities may be required
Arm-Hand Steadiness	6.8	9.7	5.1	<<	Extensive improvement in abilities may be required
Control Precision	6.6	9.7	4.0	<<	Extensive improvement in abilities may be required
Visualization	7.5	9.7	9.1	0	Current ability level may be sufficient
Visual Color Discrimination	6.4	8.1	6.5	<	Some improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

There are no common work activities.

Tools and Technologies that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 81
Focus Occupation: Computer Specialists, All Other (15-1099) Associated Occupation: Computer, Automated Teller, and Office Machine Repairers (49-2011)		
Tools and Technologies	Exclusivity	
Business function specific software	1	
Computers	1	
Content authoring and editing software	1	
Content management software	6	
Data management and query software	1	
Development software	4	
Electrical cable and accessories	47	
Electronic and communication measuring and testing instruments	14	
Information exchange software	1	
Network applications software	1	
Networking software	21	
Operating environment software	12	
Security and protection software	30	

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.